

Appl No. 09/812,089
Reply to Office action of November 23, 2005

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A handheld mobile wireless monitoring apparatus comprising:
a wireless receiver for receiving a wireless signal across at least one wireless channel;
a user interface ~~for enabling a user to observe and~~ comprising an input for receiving data
indicative of a selected [[a]] predetermined parameter of the wireless signal to be evaluated and a
display;

a processing circuit coupled to the user interface for evaluating the selected
predetermined parameter of the wireless signal responsive to the data indicative of the selected
predetermined parameter ~~user interface and to observe~~ display the evaluated predetermined
parameter on the user interface;

an enclosure, dimensioned to be handheld by the user, for retaining the radio receiver, the
processing circuit and the user interface;

wherein the selected predetermined parameter of the wireless signal to be evaluated is
selected from one of a group consisting of data rate, channel bandwidth, signal direction,
number of packets transmitted and number of packet errors.

2. (Previously Presented): The apparatus of claim 1 wherein the wireless receiver is a
wireless PC card for monitoring wireless signals operating under the IEEE 802.11 protocols.

3. (Original): The apparatus of claim 1 wherein the processing circuit comprises a
microprocessor.

4. (Original): The apparatus of claim 1 wherein the user interface comprises an LCD
display for displaying data about the at least one property of the wireless signal.

5. (Original): The apparatus of claim 1 wherein the user interface comprises a keypad
for selecting the predetermined parameter of the wireless signal to be observed.

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6. (Currently Amended): The apparatus of claim 1 wherein the predetermined parameter of the wireless signal to be evaluated is ~~selected from at least one of: unit identification, SSID, Wired Equivalent Privacy (WEP) status, data rate and transmission power strength.~~

7. (Currently Amended): A method of mobile monitoring comprising:
receiving a wireless signal across at least one wireless channel with a handheld mobile wireless monitoring apparatus;
selecting a predetermined parameter of the wireless signal to be evaluated using the handheld mobile wireless monitoring apparatus;
evaluating the wireless signal to observe the predetermined parameter by the handheld mobile wireless monitoring apparatus; and
~~observing displaying~~ the evaluated predetermined parameter of the wireless signal via the handheld mobile wireless monitoring apparatus;
wherein the evaluated predetermined parameter of the wireless signal is one of a group consisting of data rate, channel bandwidth, signal direction, number of packets transmitted and number of packet errors.

8. (Currently Amended): The method of claim 7 wherein the steps of monitoring, selecting, evaluating and ~~observing displaying~~ are performed at a first predetermined location, and wherein the method further comprises performing the steps of monitoring, selecting, evaluating and ~~observing displaying~~ at least a second predetermined location, so as to observe the predetermined parameter over a predetermined region comprised of the respective predetermined locations.

9. (Original): The method of claim 7 wherein the monitored wireless signals operate under the IEEE 802.11 protocols.

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10. (Currently Amended): The method of claim 7 wherein the predetermined parameter of the wireless signal to be evaluated is ~~selected from at least one of: unit identification, SSID, Wired Equivalent Privacy (WEP) status, data rate, and transmission power strength.~~

11. (Canceled)

12. (Currently Amended): The apparatus of claim 1, further comprising:
the user interface adapted to receive a Wired Equivalent Privacy (WEP) key for the wireless signal; and
the processing circuit is configured to be responsive to the user interface receiving the WEP key to determine the WEP status of the wireless signal being monitored based on the received WEP key.

13. (Currently Amended): The method of claim 7, further comprising:
receiving a Wired Equivalent Privacy (WEP) key; and
determining the WEP status of the wireless signal based on the WEP key.

14. (Previously Presented): The method of claim 7, further comprising determining a gap in signal coverage exists when the wireless signal is detected and the predetermined parameter is not detected.

15. (Currently Amended): A handheld apparatus, comprising:
means for receiving a wireless signal;
means for obtaining a predetermined parameter of the wireless signal to monitor;
means for evaluating the predetermined parameter of the wireless signal responsive to the means for obtaining; and
enclosing means for retaining the means for receiving, means for obtaining, and means for evaluating;

wherein the predetermined parameter of the wireless signal to be evaluated is selected from one of a group consisting of: data rate, channel bandwidth, signal direction, number of packets transmitted and number of packet errors.

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16. (Previously Presented): The apparatus of claim 15, further comprising means for displaying the evaluation of the predetermined parameter enclosed within the enclosing means.

17. (Previously Presented): The apparatus of claim 15, wherein the wireless signal is an IEEE 802.11 protocol compliant signal.

18. (Currently Amended): The apparatus of claim 17, wherein the predetermined parameters is at least one of ~~Media Access Control Address, Service Set Identification, Wired Equivalent Privacy (WEP) status, data rate and transmission power strength.~~